Met Office Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Monday 28 Feb 2022 until 23:59 on Tuesday 01 Mar 2022

Forecast Issued on Monday 28 Feb 2022 at 03:19

Confidence: Medium confidence for conditions on Monday due to exact position of frontal rain but likely to be a very wet and windy day. High confidence for more settled conditions with high pressure building for most of the week although another front looks likely to cross the area on Thursday.

Headline for Monday 28 Feb 2022: A wet and windy day with persistent rain clearing later and winds easing too.

Mountain weather hazards on Monday 28 Feb 2022

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales Low Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** High Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** Medium Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Heavy Rain	Heavy Rain	Heavy Rain	Sleet	Fog	Cloudy
Precipitation probability					
50%	80%	80%	70%	20%	10%

Forecast for Monday 28 Feb 2022

Weather: Cloudy to start with rain soon spreading east during the early hours, the band of rain looks set to stall over the Lake District and intensify at times giving periods of heavy rain throughout much of the day. The Northern fells may peak out of the northern limits of the band of rain at times but generally a wet day with significant rainfall accumulations expected to fill watercourses and make the ground very soggy. Rain likely to clear south later with a drier evening with a few clear spells expected. Freezing level will be mainly above all the summits but there may be sleet of snow for the higher fells at times during the day and towards the evening particularly.

Chance of cloud-free hill tops above 800m: 20% for most of the day with extensive low cloud associated with the area of rainfall, improving to 50% by evening as rain begins to clear south.

Low cloud and visibility: Widespread extensive low cloud is expected with the lowest cloud bases likely around southwestern fells and the best chance of some brightness and sight of any fell tops likely around northern fells. Overcast cloud with bases 200 to 300m is likely, perhaps more broken 400-600m in the north. Visibility below the cloud in rain and drizzle is likely to be poor, perhaps moderating at times in the north. As rain turns to sleet and snow on the higher fells later in the day visibility may be very poor for a time.

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Met Office Mountain Weather Forecast

Forecast for Monday 28 Feb 2022

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	47/55 S	42/50 S	27/33 S	19/23 W	17/20 W	17/20 N	17/22 N
600	35/45 S	32/42 S	22/30 S	17/23 W	12/16 W	12/18 NW	12/18 N
300	8/30 S	7/26 S	9/23 SW	8/19 W	4/15 W	5/15 NW	5/16 N
Valley	5/25 S	7/26 S	10/21 SW	8/18 W	3/11 W	5/15 NW	6/16 N

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	2/-7	2/-6	3/-4	1/-4	1/-5	0/-6	-1/-7
600	3/-5	4/-3	4/-1	4/-1	3/-2	2/-3	1/-4
300	4/1	5/3	6/3	6/3	5/3	4/2	2/0
Valley	6/5	7/5	7/5	7/5	6/5	6/4	5/3
Freezing Level*	1700m	1600m	1300m	1100m	900m	800m	600m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Potentially a very wet day with some localised flooding and swelling of watercourses on the fells. Freezing level will generally be above the summits but may lower a little to give some sleet and snow on the higher tops at times. A very windy start to the day with severe gales on the summits, winds veering and easing during the day with a fresher feel in the evening as cloud clears.

Forecast for Tuesday 01 Mar 2022

Weather: A sharp frost overnight and clear spells before dawn, leading into a dry and bright day with long sunny spells and light winds.

Maximum wind: Northerly 10-15 mph

Chance of cloud-free hill tops above 800m: 95%, perhaps some early patches of low cloud but otherwise a beautiful clear day.

Low cloud and visibility: perhaps some patches of cloud near the summits in the morning but otherwise excellent visibility likely.

Temperature: **Valleys:** Minus 1 rising to 7 Celsius.
At 800m: Minus 2 rising to plus 2 Celsius.
Freezing level: 6-800m

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Sunday 27 February, Location: Helvellyn summit at 14:30

Full report: A spectacular day on the Lake District fells with plenty of sunshine and great views but a cold wind kept things feeling wintery. The remaining snow is to be found on steep north through east aspects above 700m with many westerly aspects clear of snow up to summit level. Additionally todays sunshine was slowly stripping the snow from southerly aspects. A good freeze overnight meant that the snow was hard and icy and crampons and an ice axe were essential for anyone venturing on to it. Warmer temperatures and direct sunlight meant that it softened slightly during the day but was still a serious proposition especially for those who weren't correctly equipped. Striding & Swirral Edges were both a mixture of bare rock, snow & ice. However there are still areas of unavoidable hard and icy snow to cross especially on the exits to the plateau. Any slip not quickly arrested here could have very serious consequences due to the amount of exposed rock. An ice axe and crampons are currently essential equipment for anyone venturing onto the snow and or steep & exposed terrain such as the Helvellyn Edges especially where there are patches of neve lurking beneath the new snow. Other routes such as the Swirls path on the west side of Helvellyn are generally clear of snow. Full winter clothing (warm and waterproof) including hats and gloves and additional equipment including a map, compass, headtorch & goggles should be carried by all hill-goers.

Issued at: 03:19 on Mon 28 Feb 2022

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